POSTER GALLERY

IFFTI Annual Proceedings



Walking into the Metaverse Lidya Chrisfens

LASALLE College of the Arts, Singapore

This poster offers an exploratory journey embarking on the digital world navigating 2D to 3D images creation to elevate conceptual boards by creating an immersive experience through interactive images and sound. The process of making allows designers to ideate and translate intangible elements conceptually, such as embedding emotions and memories as conceptual ideas through 3D elements.

The digital space allows designers to translate conceptual ideas through interactive and immersive conceptual boards using moving images, sound and creative coding to heighten the viewer's interactive AR experience. This process allows designers to translate their ideas through building a narrative storytelling approach from concept to realization of the collection. The methodologies enable the designers to embed their emotions through the interactive visuals and sound as an experience and allow - under optimum circumstances - to lead the viewer toward experiencing that emotion. Creative coding adds another layer toward generative art, which will allow designers to express through interactivity with the tools.

Walking into the metaverse allows viewers to interpret the narrative within the story itself. The images presented on this poster comprises Al-generated artwork by using VQGAN (Vector Quantized Generative Adversarial Network) and CLIP (Contrastive Language-Image Pre-training). VQGAN+CLIP is a neural network architecture that uses a text-to-image model that generates images of variable size given a set of text prompts (and some other parameters). The result of the generated artwork is then further developed with Adobe Photoshop to create the outcome.

This process investigates the findings on the importance of multi-sensory experience in conceptual design processes, enactive engagement of the embodied mind during the act of doing. It also led to the discovery of Conceptual Space in the digital realm and how digital space shifts the perception of work presented through the platform. This exploration proposes new

BANGLE INDUSTRY OF FIROZABAD: A CONFLICT OF PARALLELS



Email: montu.basak@nift.ac.in

AU T H O R S

Ms. Saumya Gupta Student (Batch: 2018-2022) National Institute of Fashion Technology, India Email: saumya.gupta@nift.ac.in

Ms. Zeenat Kaisher Student (Batch: 2018-2022) National Institute of Fashion Technology, India Email: zeenat.kaisher@nift.ac.in

Ms. Sushma S. Jois Student (Batch: 2018-2022) National Institute of Fashion Technology, India Email: sushmas.jois@nift.ac.in

Ms. Charul Shah Student (Batch: 2018-2022) National Institute of Fashion Technology, India Email: charul.shah@nift.ac.in

Ms. Priyanshi Shukla Student (Batch: 2018-2022) National Institute of Fashion Technology, India Email: priyanshi.shukla@nift.ac.in

Ms. Anamika Debnath* Associate Professor National Institute of Fashion Technology, India Email: anamika.debnath@nift.ac.in

Mr. Montu Basak Associate Professor National Institute of Fashion Technology, India CU

immediate surrounding atmosphere of Firozabad industries is increasing continuously as a result of chemical fumeswhich is the leading cause of Bronchitis,asthma and other respiratory disorders inthe population. The quality of Drinking wateris also deteriorated because of fluorides, nitrates and Total Dissolved Solids (TDS)which are washed away into the river bodyin the form of glass colouring metallic oxides.

OUR

UNDERSTANDING

Glass bangles in India are worshiped as asymbol of the Goddess of wealth and affluence are an integral part of Indian cul-ture. Religiously believed to be the harbingerof love and prosperity in marriages, they holda strong sentimental significance in the life of Indian

women. The image of glass bangles is reflected simi- larly throughout the country through the Hindi Cinema as well as traditionally via folk songs in different cultures." The entire afternoon spent with the neighbourhood women in selecting colours and hearing clinking of glass bangles in the hands of the seller brought me close to my community." Shared

by an interviewer

Soma Chatterjee in Encyclopaedia of HindiCinema quotes "The jingling of glass banglesaround a girl's wrist is definitely culture specific. The jingling suggests laughter, cheer, fun , happiness, love and anticipation.The sound of glass bangles breaking signifiessomething entirely different: widowhood, grief and tragedy."

E NVI R O N M E N T

According to research published in Issue 8,Vol 2 of European Academic Research paper: The share of Nitrogen and RSPM inthe



effectingtheir eyesight severely by the time they turn into adults.

WORKERS

Firozabad district of Uttar Pradesh, India houses the 200year-old largest glass bangle industry of the world that employs around 0.4 million people directly and indirectly. Howev- er more than 70% of the bangle workers aren't paid even the minimum wages.

"The factories were filthy and condition miser- able. The factories did not have any working environment and workers were exposed to immense heat and sound which was far beyond permissible levels," says the report, which was tabled in monsoon session of Par- liament headed by the Parliamentary Standing Committee of Labour. "The workers at shop floor were not given protective gear for their eyes or hands. As they worked in front of furnace and accidents were also common," informs the report.

CHILDREN

The industry is majorly a household one thateasily lures young children to join their parents by quitting education at an early age and thus subjecting them to child labourand abuse. There is complete ignorance of several laws and Acts like The Factories Act of1948, The Mines Act of 1952, The Child Labour (Prohibition and Regulation) Act of 1986, TheJuvenile Justice (Care and Protection) of Children Act of 2000.

Expert studies show that working around intensely bright flames and furnaces damag- es the tender tissues of young eyes Glass bangles are more than just a fashion product in India. Their deep-rooted value in society is reflected through the religious and cultural practices woven around them. These colourful bangles are independent of the class divide as they are an ornament for people from every stratum of society.

An interview published in the Journal of Tourism and Cultural Change mentions a dialogue of one of the interviewers that conveys the influence of Bangles through Hindi cinema:"The best thing I like about the actresses of Bol- lywood movies is the bangles they wear.....They are exclusive" Contrary to the vibrancy of this bangle culture, the lives of Bangle makers are grim and dark with no recognition for their craft. The consumerist face where "who made this" is ignored over "How much is it for" is mirroredin society.

The story of glass bangles thus showcases a moral conflict within fashion and consumerismwhere emerges a social disbalance as a result.

R EF ER EN CE S

https://books.google.co.in/books?id=8y8vN9A14nkC&pg=PA182&lpg=PA182&dq=Glass+Bangle+in+Hindi+Movies&source=bl&ots=rzSq2azsg6&s ig= ACfU3U2gdSMLPNpI_3z-DOTQnUhX8&GdAA&hl=en&sa=X&ved=2ahUKEwj7kaCo s5jzAhV67XMBHR6XAj8Q6AF6BAgIEAM#v=onepage&q=Glass%20Bangle%2 0in% 20Hindl%20Movies&f=false

GLASS BANGLES.pdf

CNPhDpRESENTATIONv1.pdf

Bandyopadhyay, Ranjan (2008), Nostalgia, Identity and Tourism: Bollywood in the Indian Diaspora, To link to this article: https://doi.org/10.1080/14766820802140463

Images:

https://images.unsplash.com/photo-1617651238308-164297e570ef?ixlib=rb-1.2.1&q=80&fm=jpg&crop=entropy&cs=t inysrgb&dl=saradhi-photography-SwPWxxAv-tw-unsplash.jpg

https://images.unsplash.com/photo-1632727136376-2d653c429e44?ixlib=rb-1.2.1&q=80&fm=jpg&crop=entropy&cs =tinysrqb&dl=redowana-rashid-hridy-e0l8bnL3wYw-unsplash.jpg



Creating immersive online shopping experience for an upcycled fashion brand

Dr Congying Guan Nottingham Trent University Congying.guan@ntu.ac.uk

Introduction

The research explored the opportunity of Virtual Reality (VR) technology to enhance online Fashion Retail experience and consumer engagement. Previous research has identified that 3D product visualisation, mental imagery, interactivity, perceived playfulness and informativeness are the key measurements of immersive brand experience created by VR technology (Kang, 2020; Park, 2020). In Brand Experience Dimensions (Brakus, 2009), Sensory is an important scale to measure shopping experience. This project aims to create a multisensory 3D VR fashion store for an upcycled fashion brand in London and evaluate the new brand experience based on the above factors.

Methodology/Technology

This is an experimental research to evaluate if existing VR environment creation and relevant techniques that have been applied for VR game industry has a potential to reinvent fashion retail experience through an immersive virtual fashion store. A wide range of relevant technologies have been evaluated including 3D clothes scanning, 360 panoramic images, 3D environment modelling, interface and interactions, and VR video game engine.

The second stage, the brand's targeted customers and industry people (including the brand owner, VR specialists and marketers) will be recruited to rating the new immersive shopping environment versus the



conventional online channels through a VR experience scale proposed by

Discussion

The level of interactivity plays an important part to enhance consumer engagement in a VR shopping store which is considered as a self-motivated technology application (Scholz, 2016). This project experimented with consumer-brand and consumerconsumer level interactions by increasing the ability for consumers (users) to manipulate the VR environment and objects, such as adding social networking to build virtual brand community. During the creative process, each element of products and services appeared in the VR fashion store environment are mapped with hedonic and utilitarian shopping values. Such practice can influence fashion brands to customize their new technology experience for creating shopping value for their targeted consumers.

The results were restricted by the availability of technology and equipment, such as the issue with image quality of 3D clothing created by LiDAR Scanning technique. This may affect the measurements of VR experience in the next stage of research.

Acknowledgement

This work was supported by the Collaboratory fund 2021, School of Art and Design, Nottingham Trent University.

References

this research based on existing studies on immersive experiencemeasurem Brand Experience Dimensions.





Shangri-La: Smart Fashion Collection Interacting with App via Internet of Thing (IoT)

Li SHAO

University, hung kui

INTRODUCTION

BACKGROUND

Wireless interactive wearables contribute to retail in the fashion circle, as they can support online shops with the collection and analysis of consumer data based on IoT and may reduce physical retail procedures. The exploration of new experiences in fashion stores (collision between the virtual and physical worlds) faces a great challenge, due to the fast-changing customer needs caused by the rapid rise of online shopping1. New business rules to balancing online and offline retail are disrupting and rebuilding for the future fash-ion industry, especially via integrating with new technology. Hwang and Jang2 claimed the analysis of customer in-store pathway behaviour via smartphone Wi-Fi signal-capturing technology attracts strong interest, as consumer data directly supports design and retail. Beck and Crié3 indicated that online virtual fitting rooms effectively improve specific curiosity of the product, purchase intentions, and patronage intentions online and offline. Moreover, smart mirror4, 5 having a function of virtual fitting, online product information, connection, and recommendation positively affect service quality and customer satisfaction in offline shopping. However, less study has been found in the innovative user interface (connecting tangible and intangible shopping), especially the sensory experience of texture and tactile (neglected in online shopping). In this poster, an interactive fashion collection with IOS mobile App via IoT is proposed as tangible user interfaces to fulfil this research gap.

METHODS

The parallel design method is raised from Tan's design framework of photonic soft furnishing6. Apart from Tan's design model, in this poster the framework focus on fashion design and broader smart textiles and technology. It focuses on comprehensively synthesizing fashion, smart textiles, and technology in the whole design process. While smart textiles design method used here organically integrates interaction into fashion pieces by touch-sensitive fabric and tassel fabricating.

RESULTS

The wireless (Wi-Fi) interactive fashion collection pays special attention to the customer group that still relies on physical stores, who is generally tired of the online shopping trend and focuses more on the tactility and texture of the garments. Meanwhile, design in the theme of minority culture aims to increase attractiveness and freshness by exhibiting and expressing unique lifestyles and aesthetics. The interactive fashion collection offers an interactive, innovative and texture touching experience. The sales and product virtual information on the App is accessed automatically by simply touching or scratching the textile texture of the garments, where the touch s to the fabric. Confidence, quality, mobility, and convenience have great potenti

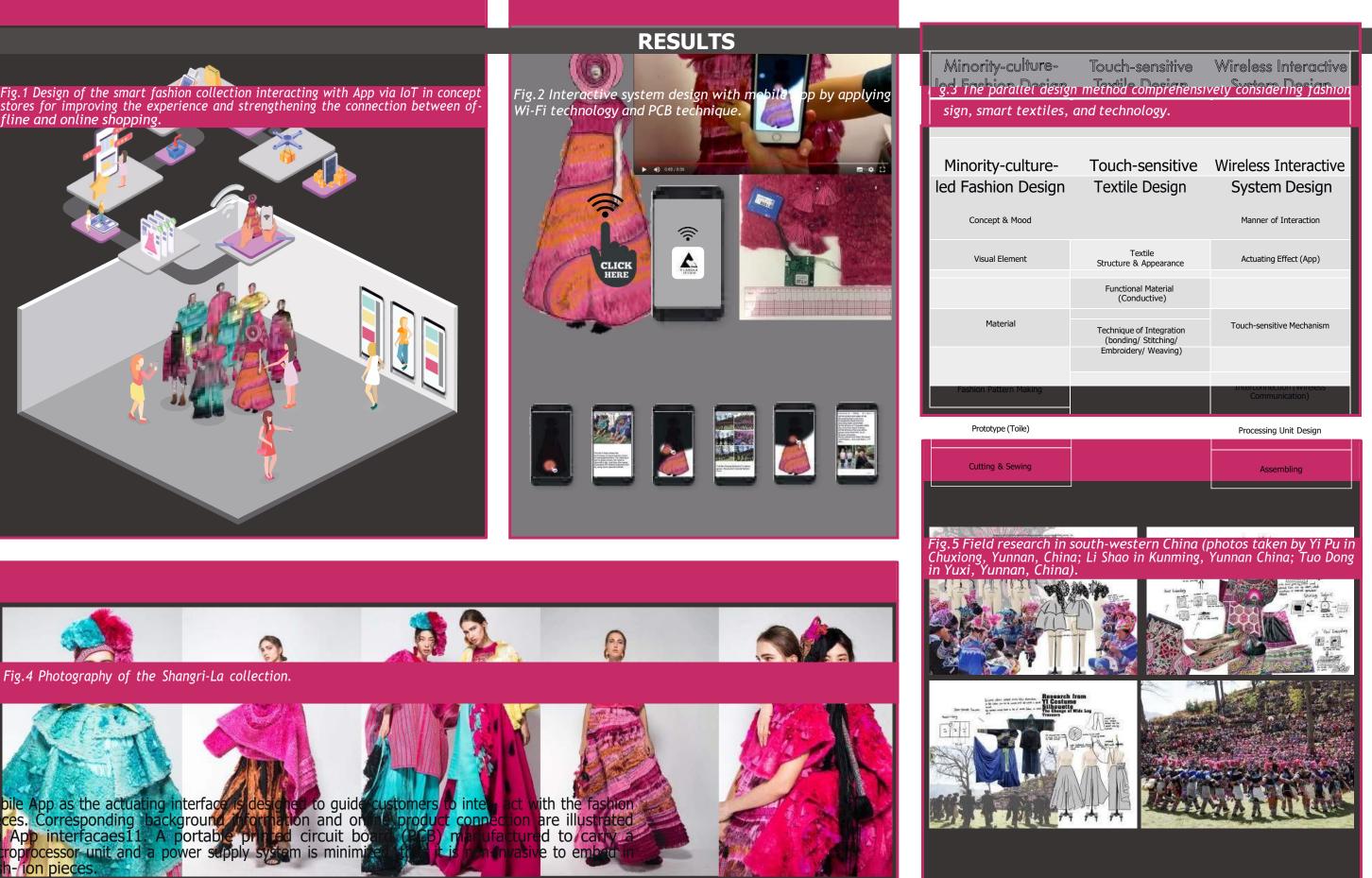
and frequency can be collected by the App and transmitted to the retailer's server for future target design and customized services (as shown in figure 1).

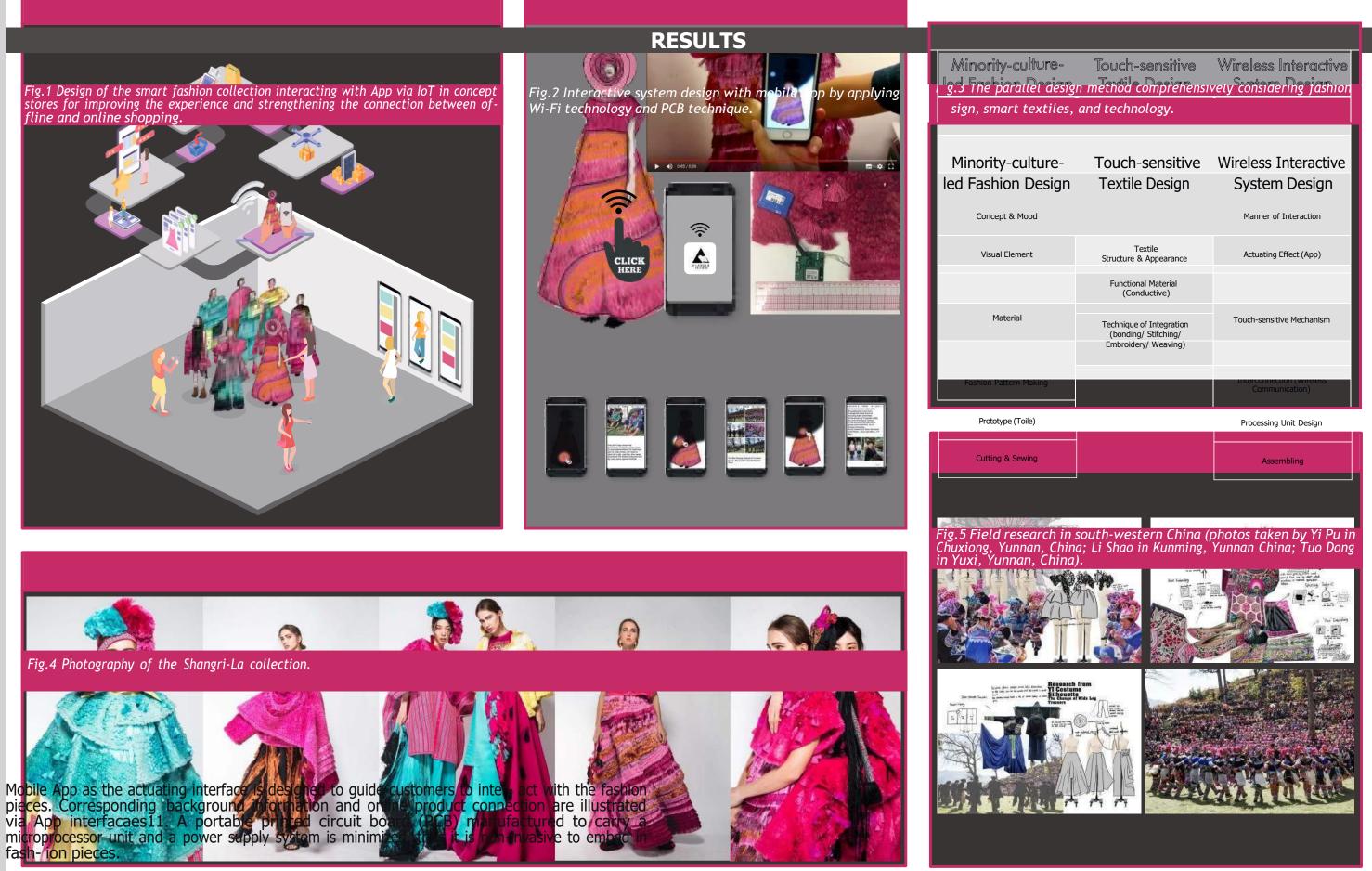
Minority-culture-led fashion design: A collection with 8 show looks (named Shangri-La) is designed in the theme of minority culture of the Yi and Miao group (name of two minority groups) living in south-western China, where the researcher comes from. The design purpose is to bring ancient culture back to life via fashion design rather than in a cold museum. Moreover, background images, videos, and text of design theme are illustrated on App by interacting with fashion pieces to exhibit the unique culture. Visual elements including pattern, colour palette, and handcraft (embroidery, beading, tassel, and accessory) are absorbed from Yi and Miao's traditional clothing7-9. The silhouette of fashion pieces is from sustainable ideas of Yi and Miao's patternmaking for minimizing waste of fabrics (first-hand resources from field research see figure 5).

Touch-sensitive textile design: Smart textiles design method used here organically integrates interaction into fashion pieces by touch-sensitive fabric and tassel. The touch interfaces on fashion pieces use a conductive fabric bonded behind garment fabrics and use silver-coated threads weaving with aesthetic tassels10. Based on a capacitive sensing mechanism, those textile sensors detect customer touch by coupling with a microprocessor-based interactive system.

Wireless interactive system design: An interactive system with App is designed by using a 'sensing-process-actuating' process model based on wireless communication technology (see figure 2). Dedicated Wi-Fi is selected as network communication technology in public spaces for massive users.









CONCLUSIONS

• The interactive fashion collection Shangri-La with 6 fashion pieces is designed and devel- oped as a touch sensing tangible interface for a customer experiencing in physical concept stores by seamlessly integrating with smart materials.

• The mobile App can be freely downloaded and installed on IOS smartphones as actuating interfaces to provide guidance of manner of interaction, design background information, and online product connection.

• Conclusively, offline retail procedures may reduce warehousing, service, manpower, and product layout. Online retailing and offline experience are possible to be seamlessly coupled with the proposed

Shangri-La collection in revolutionary concept stores.

• Although, this design research does not verify improvement on service, customer satisfac- tion, and retail itself. Innovatively, the proposed interactive fashion collection demonstrates the feasibility of integration with technology in a novel and non-invasive way.

REFERENCES

 Pavel C. Concept Stores: A Strategic Approach for creating a Destination Experience. Quality-Access to Success 2016; 17.
Hwang I and Jang YJ. Process mining to discover shoppers' pathways at a fashion retail store using a WiFi-base indoor positioning system. IEEE Transactions on Automation Science and Engineering 2017; 14: 1786-1792.
Beck M and Crié D. I virtually try it... I want it! Virtual Fitting Room: A tool to increase on-line and off-line exploratory behaviour, pa- tronage and purchase intentions. Journal of Retailing and Consumer Services 2018; 40: 279-286.
Hwanghe H, Kim XS and Cha KL. Uso of the smart store for pervention exploration exploratory explorement. Hwangbo H, Kim YS and Cha KJ. Use of the smart store for persuasive marketing and immersive customer experiences: A case study of Korean apparel enterprise. Mobile Information Systems 2017; 2017.
Ogunjimi A, Rahman M, Islam N, et al. Smart mirror fashion technology for the retail chain transformation. Technological Fore- casting and Social Change 2021; 173: 121118.
Tan J. Photonic fabrics for fashion and interior. Handbook of smart textiles. Springer Singapore, 2015, pp.1005-1033.

7. Torimaru T. One needle, one thread : Miao (Hmong) embroidery and fabric piecework from Guizhou, China. 1st ed.. ed. Honolu- lu, Hawaii: Honolulu, Hawaii : University of Hawai'i Art Gallery, Department of Art and Art History, 2008.

Ji Z, Huang W-H and Lin M. Design Mode Innovation of Local Color Cultures: A Case Study of the Traditional Female Costume of Yi Nationality. Designs 2020; 4: 56.
CHEN X and YUAN X. The Beauty of Yi Nationality's Embroidery: Research on Yi Nationality's Embroidery Collected in Jinze ArtsCentre. The Journal of Silk 2013; 50: 66-70.

10. Tan J, Bai Z, Ge L, et al. Design and fabrication of touch-sensitive polymeric optical fibre (POF) fabric. The Journal of the TextileInstitute 2019.

11. Fernández-Caramés TM and Fraga-Lamas P. Towards the Internet of smart clothing: A review on IoT wearables and garments forcreating intelligent connected e-textiles. Electronics 2018; 7: 405.

Author: Lavdeep Singh Department of Fashion Design

HAND TO MIND The paradigm shift in Fashion Education

Keywords: Fashion Education, Pedagogy, Interdisciplinary studies, Fashion, Society, Culture

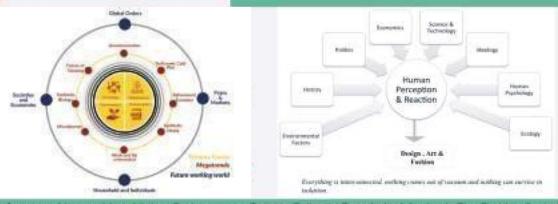
Objective

Fashion has moved in space and time, it is more interdisciplinary than ever. Scholars, academicians spanning science & technology, sociology, anthropology, ethnography, etc., are collaborating to explore different dimensions of fashion; visual, cultural, semiotics or socio-economic. From being a product of industrialisation, fashion is becoming more conceptual, a topic of interest for thinkers & intellects.

Riding on this wave of change universities across the world are re-looking at their fashion curriculums and introducing new areas of study that encourages fashion students to pursue cultural investigation of fashion. Subjects such as "Fashion, Society and Culture" and alike are introduced at undergraduate level with a motivation to sensitise the students with this refashioning of fashion. In tandem with technical skills like sewing and pattern making, students are being taught thinking skills that enables them to explore socio-cultural aspects of fashion. It is safe to say that fashion education has truly moved from hand to mind. The objective of this study is to develop teaching pedagogy to encourage undergraduate students of Fashion Design/Studies to explore interdisciplinary, intersubjective, diverse & interpretive nature of fashion through research & investigation that enables them to understand fashion in both material as well as abstract forms.

The paper discusses activities that are designed and conducted in the classroom for the subjects namely "Fashion Basics", "History of Clothing" & "Fashion Society & Culture" with an objective of introducing interdisciplinary nature to fashion study and why it is important for students. The activities are designed with an intent of integration with other areas of fashion design like Pattern Making, Garment Construction and Trend Forecasting to enable students to understand the application of their learning and inferences.

Interdisciplinarity Fashion Forecasting



Pedagogy Activities

Terminology with Fashion

Table 1 - Terminology with Fashion

	Head	Non Morek	Normag
	Word	New Word	Meaning
	(and the second	4.4	A diamonant where fastane designed them that opcoming collection of
-	Show	Fashion Show	A show/event where fashion designers show their upcoming collection of clothes or accessories
			Influential/famous people who introduce new styles of fashion, e.g. celebrities.
	Icon	Fashion Icon	
			A career in fashion, which involves researching, writing and speaking about the
1	History	Fashion History	A career in rasmon, which involves researching, writing and speaking about the historical context of clothing and dress.
	Bar	Fashion Bar	Name of a night club or shopping destination in many cities
5	τv	Fashion TV	An interna onal fashion and lifestyle broadcasting television channel solely dedicated to fashion. It was founded in France.
6	Police	Fashion Police	An American TV series where featured panelists critiqued celebrity fashion. Also
,	rouce	rasmon rouce	referred to fashion experts who criticise clothes people wear
7	War	Fashion War	A Hong Kong Television Drama about a fashion magazine
	Zombie	Fashion Zombie	Fashion Zombies is a song by American band The Aquabats, a satire on fads and
	zomble	rasmon Zomble	popular fashion
,	Law	Fashion Law	A specific field of law that deals with legal issues that impact fashion industry
2	6 H I	Faching Consultant	A fashion expert who helps clients their image makeover and provide shopping
'	Consultant	Fashion Consultant	assistance
	C LOCO-		A person who supervises content development and presentation for fashion
	Editor	Fashion Editor	magazines, websites or TV.
			chargestmen, wellwalers at TV.
2	Plate	Fashion Plate	Drawings of the latest fashion trend to disseminate latest trends and instructions how
	Ren		to construct the garment, using copper or steel engravings. Originated in France
			Disgonance in Property around 1945 contracts
3	Blogger	Fashion Blogger	Persons who blogs about fashion, it's a paid and recognised profession.
	Phyper	Tadata Begger	Private obsident Maga almost faibles, N's a parid and trangetised profitestore.
		Second Second	
4	Model	Fashion Model	A model works with fashion designers, photographers and brand to showcase products. Now there are specialised models for runway, editorials, swim suits, super
		Factorian Data	the second state in the second state in the second state of the
5	Bug	Fashion Bug	A person who's always in latest trends. Also a fashion retailer
5	Theory	Fashion Theory	Theories that explain fashion dissemination.
	1000	Tallois Therey	Theorem that english holison drawn nation.
7	Journalist	Fashion Journalist	
	distantian .	Patrice Suscriptor	lournalists who specifically write research and investigate about fashion and trans
			A professional who creates unique and iconic looks for clients, editorial and
8	Stylist	Fashion Stylist	commercial photo shoots or movies. They don't design clothes.
	i berked	1.000	A productional whe prome maps, and a say, looks its cleans, alternal as
9	Buyer	Fashion Buyer	A professional who makes purchasing decisions for a retailer on what styles to be stocked.
	2015	And the second	A predmissional whe readed purchasing distances for a totalist on what style
5	Victim	Eashion Victim	A person who feels being fashionably dressed is most important and blindly follow
	FICCIII	rashion vicum	latest trends.
	Arrest of A		A person who field being failingably drawed to more reporter and black)
1	Commodore	ashion Commodore	sub-Saharan Africa.
	Contradict -		A species of butterfly in the family Nymphalidae which is native to tropical
2	Capital	Fashion Capital	Milan. New York London.
		_	
	Curlat	Partner Carriel	A city with a major influence in international fashion and holds fashion weeks. Pari

Meanings of the words are searched by students from various sources and written as per their understanding.

As per the activity, the class brainstorms to list down a set of words to which they add the prefix "fashion", and then look for the meaning of the new word to understand its relevance to fashion, and the results are insightful and fun. Refer to Table 1 for some words that are usually discussed in the class. Inference: The activity offers students opportunity to learn about different terms, professions & concepts related to fashion, in a non-linear manner, underlining the interdisciplinary nature of fashion through an engaging, interactive & cognitive process. Further the students are asked to research more on these words and find examples. Simultaneously, they find the term 'fashion' so fascinating that if used as a prefix it has the power to turn something dull into fun & intriguing for example, Fashion Law, Fashion Police, Fashion War, Fashion Plate & my personal favourite Fashion Commodore, which actually is a species of

butterfly.

References: Henson Mark, Vinkon Barbara 2005, Fashion Zeitgest, Trends And Cycles In The Fashion Studies Research Methods Sites And Practices, Bloomsbury, Kent M. Holly 2018, Teaching Fashion Studies, Bloomsbury, Megabiends 2020 And Beyond EVO and Edition. Emst & Young https://www.ey.com/en_in/megatrends

National Institute of Fashion Technology, India



religious identities. 2. The aim of the activity is to make history of clothing stimulating with hands-on activities that allow integrated tearning.

Result. High engagement with materials, deep understanding of construction of historic costumes and interdisciplinary nature of the course

Proactive Education as a Tool for Mediating Fashion Across Borders Building a Library of Fashion Business Case Studies to Teach Sustainability

Vladimira Steffek vsteffek@ryerson.ca | Ryerson University, Toronto, Canada Rossie Kadiyska rossie.kadiyska@humber.ca | Humber Institute of Technology and Advanced Learning, Toronto, Canada

Introduction

A shift towards sustainability is crucial to the future of the fashion industry. Students of fashion disciplines - the key players of the future - need to understand, empathize and visualize the future meaning of sustainability. The authors believe that such a future vision or development could be executed only through interdisciplinary and international collaborations; thus the tool used in the classroom is in the form of Collaborative Online International Projects (COIL). In addition, developing analytical, creative, and innovative thinking is essential for students to gain a competitive when entering the workforce (Louca et al., 2014). The authors introduced case studies into the advantage when entering the worklore (Louce et al., 2017). The advantage when entering the worklore (Louce et al., 2017). The advantage when entering the worklore (Louce et al., 2017). 🗤 In theagleoocosofftsteeidyaxis taxis tixing websdeg frionnetwe side at thig no (Kliistneet), the Solution to the side of th a imited area in the submitted in the submitted in the submitted of a sector o tailored library of co organically emerged. Thus, the project aimed to create a collection of multimedia open, fashion-specific, educational resources, drawing on local entrepreneurs carrying sustainability at heart.

Project Pedagogy & Methodology

The pedagogy framework is based on five main pillars: interdisciplinary learning, internationalization at home, collaborative online learning, systems design thinking, and UN Sustainable Development Goals (SDGs). Students are challenged to look at the current fashion industry through a different lens and create alternative business solutions through the sustainability principles of circular economy and systems design thinking.



The project is aligned with SDG 8 - Decent Work and Economic Growth, 11 - Sustainable Cities And Communities, and 12 - Responsible Consumption And Production. as defined by the United Nations and the educational institution (Humber Institute of Technology and Advanced Learning) Learning outcomes (HLOs):



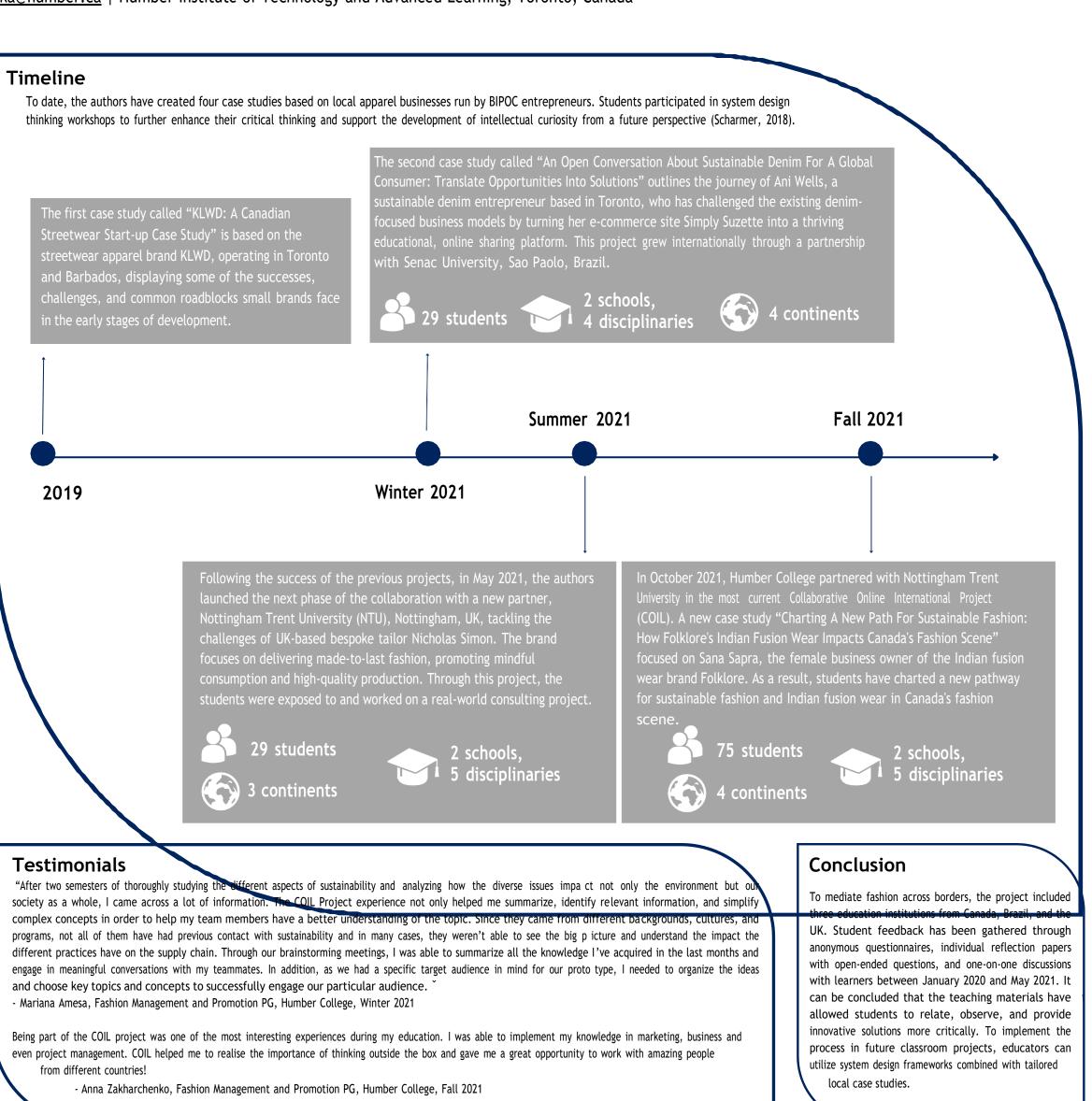
Bibliography

Bonner, S. E. (1999). Choosing teaching methods based on learning objectives: An integrative framework. Issues in Accounting Education, 14(1), 11-15.

Kimmel, P. (1995). A framework for incorporating critical thinking into accounting education. Journal of accounting education, 13(3), 299-318.

Louca, E., Marouchou, D., Yiannaki, S. & Konis, E. (2014). Teaching for Creativity in Universities. Journal of Education and Human Development, 3(4), pp. 131-154. 3. 131-154. 10.15640/jehd.v3n4a13.

Scharmer, O. (2018). The essentials of Theory U: Core principles and applications. Berrett-Koehler Publishers, Incorporated.



IFFTI

Subtheme: **RESIDENCIES OR HACKATHONS: MEDIATING FASHION** FUTURE RECRUIT

Prof José Teunissen // Dr Michèle Danjoux

London College of Fashion, University of the Arts London

Today's Fashion-Tech landscape is in a state of flux - fashion and tech sectors are becoming increasingly more closely aligned, digitisation is key, and environmental issues are driving new processes and agendas within the industry. Companies do not necessarily know all the solutions but rather look to future talent to continue to grow and scale their organisations for ongoing innovation in the sector.

The FTAlliance project held online workshops with industry partners to interrogate the new challenges to companies and the recruitment strategies and talent assessment tools they are using in recruiting future talent. While all companies agreed the formal interview still to be the best way to assess a candidate, a variety of other recruitn were also promoted to ensure the right person is hired.



Portfolios are still important but should no longer only highlight collections of final products but rather emphasise more fully process and conceptual thinking.

- Students need to consider in what way they can better pitch their ideas, demonstrate skills and present their work to also their entrepreneurial mind-set and fresh innovative ideas.

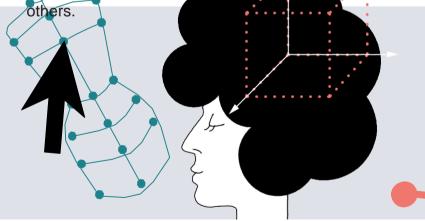


ONLINE INTERVIEWS

The pandemic/Covid-19 has ushered in new recruitment processes such as the digital interview combined with online assessment tasks as tools for a more global approach to recruitment.

ASSESSING SOFT/ER SKILLS

The industry is also prioritising soft/er skills - being entrepreneurial, a collaborative team player, open to change... -- Group-based assessment opportunities; the completion of a problem-solving brief; presenting to a group; a group interview and sometimes an additional small of assignment are all tools utilised to assess skills in relation to



3D MINDSET

Digitisation means the industry seeks a variety of new skillsets from its designers.

- However, 3D skills are not necessarily essential, what is more important is that candidates have a 3D mindset and are open to learn new and different software, as companies are offering digital training.



students before they graduate.



Acknowledgements:

Thanks to our FTAlliance HEI partners and industry partners, and to the LCF Graduate Futures team for their participation, especially Ismaril Wells for facilitating the online workshops.



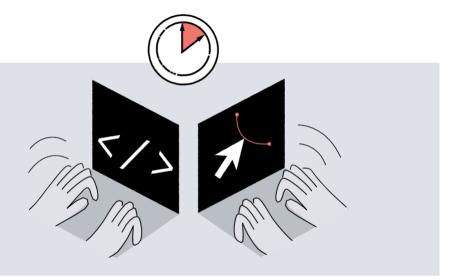
FOR FASHION-TECH

NETWORKING & COLLABORATION

'Stay close to the talent pool 'was the clear resounding message from Fashion-Tech employers who understand that their collaborations with HEIs via industry projects, networking and knowledge exchange events and open days allow them to assess

HACKATHONS

An effective way for companies to find the best people (with the right skillsets and mindset) for their businesses to remain responsive and constantly agile.



EQUITY, DIVERSITY & INCLUSION

Companies are recognising the importance of a diverse workforce to their future success. They thus seek to actively attract applicants with a diverse background, acknowledging they need to write the job description in an inclusive language that omits unconscious bias.

With this agenda in mind, they agree that there is 'no one-size-fits all' solution to attracting, recruiting and assessing future talent.

RESIDENCIES // INTERNSHIPS

To assess skills and suitability of future talent over a longer-term. - Companies such as Grado Zero Innovation offer built-in project based traineeships within interdisciplinary teams to assess an vidual's suitability for their company.



FTAlliance Weaving Universities and Companies to

Co-create Fashion-Tech Future Talent' is a 3-year (2020-2023) Erasmus+ funded academia-industries partnership aimed at facilitating the exchange/flow of knowledge and co-creation within the Fashion-Tech sector to boost students' employability and innovation potential.

To find out more visit:

https://fashiontechalliance.eu/en/



HEI PROJECT COORDINATOR Politecnico di Milano **HEI PROJECT MEMBERS** Högskolan i Borås Technische Universiteit

London College of Fashion -University of the Arts

ESTIA École Supérieure des Technologies Industrielles Avancées

CentexbelDecathlon Grado Zero Innovation Pauline PVH van Dongen Pespow Stentle We Love You

IFFTI Annual Proceedings Vol.18, 2022

An ethnographic study on Motifs of Tangalya weaving Hir P Vyas National Institute of Fashion Technology Gandhinagar

Abstract

As article contravative, way of New temperature to the credit log attricts and order matrixing introduced with the robust article, to-effect procedure that New and States and States and States are also attricted to the States mendage between event states. And is labeled on order at the second states are also and matrixing. The topped event robust event way at 1.65% of the and water attricts of the topped attricts and the second states are also and matrixing. The topped event process at any states are also attributed on the contravative of the second states are also attributed on the topped attributed the topped attributed and the states of the topped attributed the topped attributed attributed attributed the process process, the robust events attributed attributed the interface and the top of the states and the states attributed the states at the topped attributed attributed the states attributed the topped attributed attributed attributed attributed the topped attributed att

Invoduction

Dependencial the energy law thereare suggestion to an effect to the energy to check that with many law to be using their post of their tools the unique withing at the days the exercised body of their check to the control of band of their . Here exercise the per strape to direct math,

Colores having in form of should expression of moltific house based depolated in some characteristic processing and the second second second and colores are provided and the second second second second and colores are applied in the based colore. Not, where a local distribution of the reads of the color. From the dotter is also are second distributed of the reads of the color. From the dotter is also are second distributed of the first color. From the dotter is also are second distributed of the second second second second second and the dotter second the second second second second second second second second second the second the second the second sec

Mathodology

An of telegraphic exponent will value reasons will well dealer to excer the experiment. Darks collector methods that were employed, were point desarchings. Both methods have been dealer to be ratios and informative demonstration for collectors of colls and in order.

Results

In the much langetus advected encloyed deep the second fluid moust Deep a solution range many tokens writing, wearing and Davis and places to

Participe bailing tions of tempolymentity & some to the grade

Boos reading, Kaos making The process vehicup which the cleans are visible during the sensing clean vehicup and advises and visible advises over-notice. Bank, sease a conduct to Wing at process of some feedback of the weight at P endowski at the threads. Indexembly, advises the clean and the sease of the threads. Indexembly, advises the clean at the weight at P endowski and the process of the sease of the weight at the thread of the process is the sease of the weight at the thread of the process is the sease. The clean of the thread of the thread weight we have a thread in the weight the thread of the thread of the endowski. Endowski, The clean of the order were write with we have one of the weight.

collegates of north, and the testedion fourne spectration inspection. Authors were to advect by Namion contract Ke door forsycards and first. He pressors approve

Advance implication models There can be devided the extension of presentation result from result fourmers scannel Advances their Rowins, can the implication of the republic

Collection to the rate period toron proceed the area in one of the root. ing. Black as impledient free struct struct mostly one was stret visitive as the basis and preserv.

lacterology drives * the insult Aspendity or Secolution.

2

1

nhaci ossi geometik tome na pi filo soliti ossi sistemi di ossa taming ng tatan k

Antian and loss from al-destance and anote with natival character when harves of real

Sheaking and Feast Bodds from the Accel with Scale to spind from Food Reflectly Acting Instance beams into a present state and

Discussion

Construction of the scale and the scale of t

conclusion.

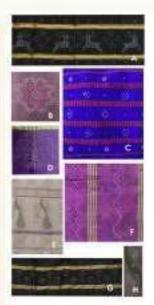
Vacabula conductivel or vacant research our multi-transplate startight from vacanter, invested or the data mouse starting. The effort data water programmer have investigated data and the starting of the starting hard. The addression was needed of beginning and hard the addression on needed of beginning and hard the addression of the starting of the starting production. Of the second from the attract science.

References

Don. Monia North: "Cylinet lundration and hand-craft of Instituted Antoin of Institution

Devis, Christerian, "Tradicting Nucleose of Incorport Lipite Team And the Control of Control of Christer Address Machine, 19, 200, 71 (2013) 20156.

territoring of Approximate Section of Institution of the section of the section of the territorian fractional contents on Currier Mignetical 25



pine 1. Motif and its processing must A. Duar B. Passar C. on placets and Lasky found into D. True B. Passanth P. report D. Connectory N. Peassock Ababasi

5

3

In the latest de

School of Design and Creative Arts

Abstract

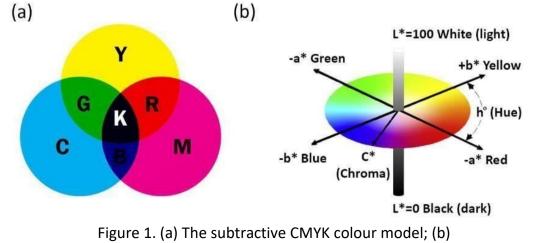
Producing a wide scope of weave colours is challenging with a limited number of a weft yarn colour variety in modern Jacquard weaving. The primary colour yarns of CMYK colour system (cyan, magenta, yellow and black) are suggested to replicate varied Jacquard designs. However, there is a limitation due to the nature of the CMYK system as it can only display approximately 56% of the colours which are perceived by human eyes. However, there is potential to improve colour reproduction quality by expanding a range of primary yarn colours. In colour printing, red [R], green [G], and blue [B] are popularly used in line with C, M, Y, and K colours. Therefore, in this research, two sets of the primary yarn colours (RGB and CMYK) are used to produce weave colours and the results are compared and examined.

Introduction

Weave colours are created by interweaving at least two sets of weft and warp yarn colours ^{1, 2}. Producing a large scope of weave colours with a small variety of weft yarns is challenging, but important in modern digital Jacquard weaving³.

According to Kim et al.^{4, 5}, using the subtractive CMYK colour model is suggested to reproduce multi-coloured artworks. However, as the CMYK colour gamut can display approximately 56% of the colours ^{6,} there is a limitation in colour reproduction. In colour printing, the four primary colour pigments (C, M, Y, and K) are widely used, but red [R], green [G] and blue [B] colours are also considered to enhance colour reproduction quality.

Therefore, this study aims to inspect weave colour effects when the two primary colour sets are applied to production. The prototypes of weave colour samples were produced by jacquard machine and the experiment results were described in CIELAB values (Figure 1).

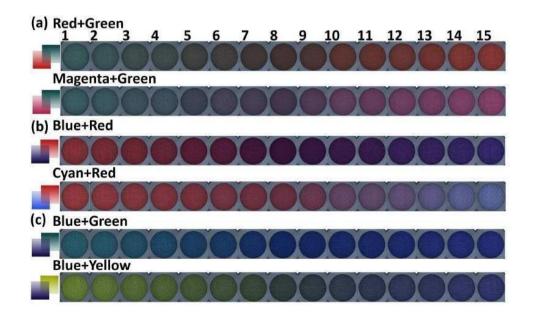


International Commission on Illumination (CIE) LAB colour space 7 .

Methodology

[R]+[G], [M]+[G], [B]+[R], [C]+[R], [B]+[G], and [B]+[Y].

• The prototypes of weave colour samples are produced and measured by spectrophotometer (X-Rite Ci7500, UK) with the iControl software (X-Rite PANTONE[®], UK).



Secondary weave colour production

Blue+Magenta

(b)Cyan+Yellow

Green+Yellow

(C) Magenta+Yellow

Red+Yellow

(a)Cyan+Magenta 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Figure 2. Secondary colour production comparison. Fabric images of (a) [C]+[M] vs. [B]+[M]; (b) [C]+[Y] vs. [G]+[Y]; (c) [M]+[Y] vs. [R]+[Y].

In this study, two sets of primary colours (C, M, Y, K, R, G, and B) are paired to produce secondary weave colours. The experiment results are shown in Figure 2 to compare the weave colour differences.

For the [C]+[M] and [B]+[M] samples, all lightness values of the [C]+[M] samples are higher than the values of the [B]+[M] samples of which results indicate replacing [C] with [B] decreases the lightness of the fabric. For the [C]+[Y] and [G]+[Y] samples, the test results imply that more vivid tones of green colours are produced with using the green yarn. Comparing the [M]+[Y] and [R]+[Y] weave colours, the [R]+[Y] samples are slightly darker than the [M]+[Y] samples, but the saturation of the weave colours was presented better with the red yarn.

Expanding colour gamut with CMYRGByarns

Figure 3. Colour effect investigation. Images of weave colour prototype of (a) [R]+[G] vs. [M]+[G]; (b) [B]+[R] vs. [C]+[R]; (c) [B]+[G] vs. [B]+[Y].

The pair combinations of [R], [G], and [B] yarns (i.e., [R]+[G], [R]+[B], and [B]+[G]) were produced and compared with the three groups of weave colours of which pair combinations were produced by replacing [R], [G], and [B] yarns with the similar yarn colours from CMYK system (i.e., [M]+[G], [C]+[R], and [B]+[Y]). Fifteen weave colour samples are produced in each combination to examine the colour differences.

- Two sets of primary colour yarns: cyan [C], magenta [M], yellow [Y], red [R], green [G], and blue [B].
- Twelve colour combinations: [C]+[M], [B]+[M], [C]+[Y], [G]+[Y], [M]+[Y], [R]+[Y],

Conclusions

Figure 4. CIELAB gamut expansion by adding RGB yarns. (a) Measureda*b* values of using CMY yarns mixing and (b) the expanded gamut with CMYRGB yarns.

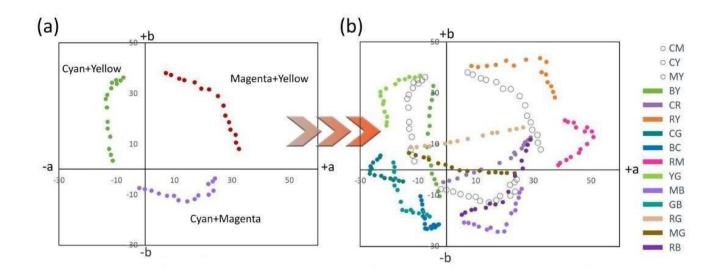
- Producing a large scope of weave colours by using a small variety of weft yarn colours are important to improve colour reproduction quality.
- The CIELAB colour space was expanded by adding [R], [G] and [B] coloured yarns. Feasible hue and chroma range were expanded compared with using only [C], [M], and [Y] yarn colours.
- The [R], [G], and [B] yarns could be considered to expand a feasible weave colour gamut.
- These findings contribute our understanding of the possibilities in colour reproduction and suggest great potential in producing a wide scope of weave colours by using primary colours yarns.

References

- 1. Mathur K and Seyam A-FM. Color and weave relationship in woven fabrics. Advances in ModernWoven Fabrics Technology 2011: 129-150.
- 2. Dawson R. Color and Weave effects with some small weave repeat sizes. Textile Research Journal2002; 72: 854-863.
- 3. Adanur S. Handbook of weaving. CRC press, 2020.
- 4. Kim KR, Ng F, Zhou J, et al. Pigment mixing effect realized with pre-dyed opaque yarns for Jacquardtextile design development. Textile Research Journal 2019; 89: 87-97.
- 5. Kim KR and Kavanagh T. Two-color double-cloth development in alignment with subtractive CMYKcolor theory by deploying digital technology. Journal of Textile and Apparel, Technology and Management 2020; 11.
- 6. Ostromoukhov V. Chromaticity gamut enhancement by heptatone multicolor printing. In: Device- Independent Color Imaging and Imaging Systems Integration 1993, pp.139-151. International Societyfor Optics and Photonics.
- 7. Schanda J. Colorimetry: understanding the CIE system. John Wiley & Sons, 2007.

Acknowledgement

The authors disclosed receipt of the following financial support for the research, authorship, and/or publication of this article: This work was supported by the Artsand Humanities Research Council (project code AH/T006323/1), Loughborough University, and the Hong Kong Polytechnic University.





Arts and Humanities Research Council